



# RZ Ecosystem Partner Solution Qt Device Creation



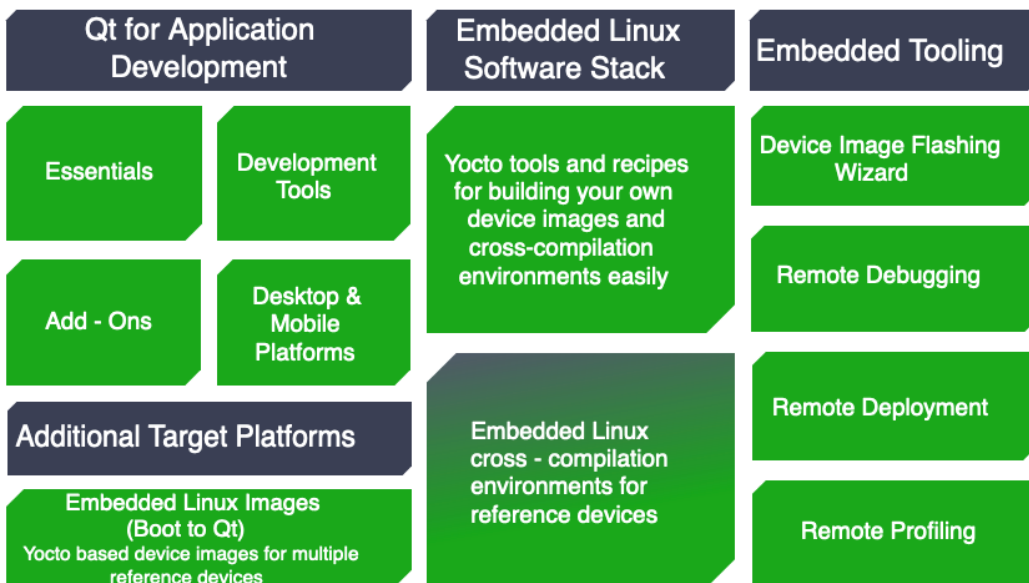
## Solution Summary

Develop a single cross-platform code base using one integrated toolset and target embedded, desktop, and mobile platforms. With the most complete set of libraries for UI development, business logic, and machine-to-machine communication, write less code quickly with an extensible IDE and easy-to-use APIs. Well-tested libraries to improve your code quality, shrink your code base, reduce testing burden, and debug visually for improved code stability. By utilizing [RZ/G2L](#), 3D, web camera, and multimedia functions can be easily achieved.

## Features/Benefits

- Use Qt Creator IDE to write software in C++, QML, JavaScript, Python, and others
- Compiles source code into native machine code
- Test and debug applications in emulator conditions close to those of the target device
- Include a comprehensive set of libraries optimized for cross-platform development and ready-made functionality
- Quick start-up with Boot 2 Qt
- Allows protecting the source code and intellectual property

## Diagrams/Graphics



## Target Markets and Applications

- For all HMI segments

<https://www.qt.io/product/ui-design-tools>



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limitless scalability. Qt is designed for  
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## Qt 6 framework Essential Modules

Qt Core	GUI	Network	Widgets	Test	QML
Quick	Quick Controls	Quick Dialogs	Quick Layouts	Quick Test	D-Bus

## Qt 6 framework Add-on and other modules (in alphabetical order)

3D	AAOS Car API	Application Manager	Active Qt	Bluetooth	Charts	Charts for MCU	CoAP (M2M)	Concurrent	Cursor Navigation
Data Visualiztn	Design Viewer	Device Utilities	Digital Advertizing	Help	HTTP Server	Interface Framework	Image Formats	Lottie Animation	MQTT (M2M)
Multimedia	Network Authorizn	NFC	OPC UA (M2M)	Open GL	PDF reader	Positioning	Print Support	Python add-ons	Qt 5 Core Compatible
Quick 3D	Quick 3D Physics	Quick Calendar	Quick Timeline	Quick Treeview	Quick Widgets	Remote Objects	Safe Renderer	SCXML	Sensors
Serial Bus	Serial Port	Shader tools	Simulink Support	SQL	State Machine	SVG	Text to Speech	UI Tools	Ultralite (for MCU)
Ultralite Controls	Virtual Keyboard	VNC Server	Wayland Compositor	Web Channel	Web Engine	Web Sockets	Web View	XML	

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